

## **Positive environmental impact from e-waste recycling in the Northern Midlands**

The **Northern Midlands Council – Longford Waste Transfer Station** has delivered significant environmental benefits through its participation in the National Television and Computer Recycling Scheme (NTCRS) during the 2024–25 financial year.

Over the year, **6,308 kilograms of NTCRS “in-scope” e-waste** were collected and recycled at the Longford facility. This material was processed through TechCollect, with the environmental outcomes independently assessed by Australia and New Zealand Recycling Platform (ANZRP) as part of its annual lifecycle assessment program.

The assessment found that recycling this volume of e-waste resulted in:

- **18,629 kilograms of CO<sub>2</sub>-e emissions prevented**, equivalent to planting **308 trees**
- **4,980 cubic metres of water saved**, comparable to **146 days of average household water use**
- **249,991 megajoules of energy saved**, equal to **947 days of household electricity consumption**
- **22,647 grams of particulate matter prevented from entering the atmosphere**, equivalent to a diesel truck travelling **33,831 kilometres** on Australian roads

These outcomes highlight the importance of local e-waste recycling services in reducing greenhouse gas emissions, conserving water and energy, and improving air quality.

Northern Midlands Council thanks residents for supporting responsible e-waste disposal and contributing to positive environmental outcomes across the region. Every item recycled locally helps protect natural resources and supports a more sustainable future.

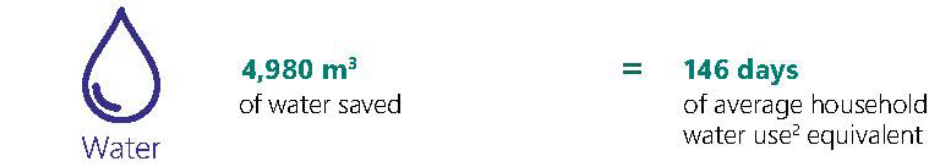
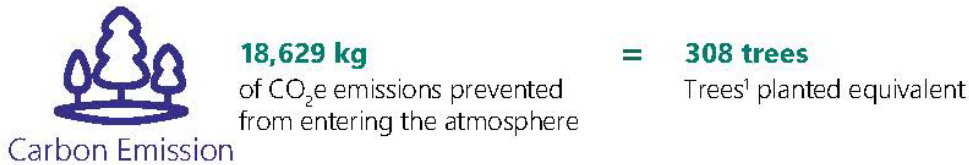


## NORTHERN MIDLANDS COUNCIL - LONGFORD TRANSFER STATION HAS HAD A POSITIVE ENVIRONMENTAL IMPACT IN THE 2024/2025 FINANCIAL YEAR

In 2024/2025 financial year TechCollect recycled 17,532 tonnes of National Television and Computer Recycling Scheme (NTCRS) "in scope" e-waste. 6,308 kilograms of that total was collected at Northern Midlands Council - Longford Transfer Station.

Each year, Australia and New Zealand Recycling Platform (ANZRP) engages an independent consultant to perform a lifecycle assessment of the environmental impact of its national e-waste collection and recycling service.

Northern Midlands Council - Longford Transfer Station has had the following environmental impact:



### References

1. Based on modelling assumptions developed by the U.S. EPA in their Greenhouse Gases Equivalencies Calculator: <https://www.epa.gov/energy/greenhouse-gases-equivalencies-calculator-calculations-and-references>
2. Based on 34 cubic metres equivalent per day and per Australian household in FY22, using Australian Bureau of Statistic data (Water Account), and the Australian average water scarcity factor as per the AWARE method.
3. Based on 90 GJ of annual energy per Australian household in FY22, using Australian Bureau of Statistic data (Energy Account).
4. Factor applied based on an EURO3 diesel truck emissions as modelled in eco-invent 3.5.

\*Note, e-waste collected and recycled through individual producer responsibility programs were not included in the life cycle assessment and in the impact figures provided above.

